

ABSTRACT**Projection lens fixation and adjustment mechanism**

5 A system and method for fixing a projection lens 102 and adjusting the position of a projection lens 102 is provided, which is compact and has a high precision. The projection lens 102 is positioned on a base plate 104. The position of the projection lens can be adjusted by providing possibilities for horizontal and vertical shift in a plane perpendicular to the optical axis of the

10 projection lens 102. This is performed by actuating three points of the base plate 104. Furthermore, by providing further shifting means at the three points of the base plate 104, tilting of the projection lens can be performed, thus providing Scheimpflug correction. In this way, motion of the projection lens in five degrees of freedom is provided by actuating three points at a base plate

15 104 whereon a projection lens 102 can be easily mounted and removed.

+ Fig. 1